

Toshihiko Hiejima

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Shockwave effects on supersonic combustion using hypermixer struts. <i>Physics of Fluids</i> , 2020, 32, .	1.6	33
2	Effects of streamwise vortex breakdown on supersonic combustion. <i>Physical Review E</i> , 2016, 93, 043115.	0.8	21
3	Criterion for vortex breakdown on shock wave and streamwise vortex interactions. <i>Physical Review E</i> , 2014, 89, 053017.	0.8	19
4	Theoretical analysis of streamwise vortex circulation induced by a strut injector. <i>Physical Review Fluids</i> , 2016, 1, .	1.0	11
5	Onset conditions for vortex breakdown in supersonic flows. <i>Journal of Fluid Mechanics</i> , 2018, 840, .	1.4	10
6	Compressibility effects of supersonic Batchelor vortices. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	8
7	A high-order weighted compact nonlinear scheme for compressible flows. <i>Computers and Fluids</i> , 2022, 232, 105199.	1.3	8
8	Helicity effects on inviscid instability in Batchelor vortices. <i>Journal of Fluid Mechanics</i> , 2020, 897, .	1.4	6
9	Effects of fuel injection speed on supersonic combustion using separation-resistant struts. <i>AIP Advances</i> , 2021, 11, 065123.	0.6	6
10	How the circulation and axial velocity deficit in Batchelor vortices affect their disturbance growth?. <i>Physics of Fluids</i> , 2020, 32, .	1.6	4
11	Development of linear unstable modes in supersonic streamwise vortices using a weighted compact nonlinear scheme. <i>Computers and Fluids</i> , 2020, 201, 104416.	1.3	3
12	Development of specific structures occurring from hyper-breakable vorticity. <i>Physics of Fluids</i> , 2019, 31, 071701.	1.6	2
13	On the rapid breakdown of supersonic streamwise vortices with opposite sign double annular vorticity. <i>Acta Astronautica</i> , 2020, 168, 220-229.	1.7	0